

# **Large-Scale Collaborative Project Awards: NIGMS Glue Grants**

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# Origin of Glue Grants

- Early 1998: Preparing for the doubling
- May 1998: Divisional Subcouncil Meetings
- November 1998: Follow up meeting on collaborative award concept
- NIGMS staff discussions
- May 1999: RFA issued for Large-Scale Collaborative Project Awards

# Working Concept to Staff

- Meant for major problems in biomedical science, within the NIGMS mission, requiring cross disciplinary collaborations
- Meant to support already funded R01 investigators to work together; ensures high quality science
- Meant to be major efforts substantial in scope and size
- Meant for funds to support the glue
- Meant to be experiments in team science

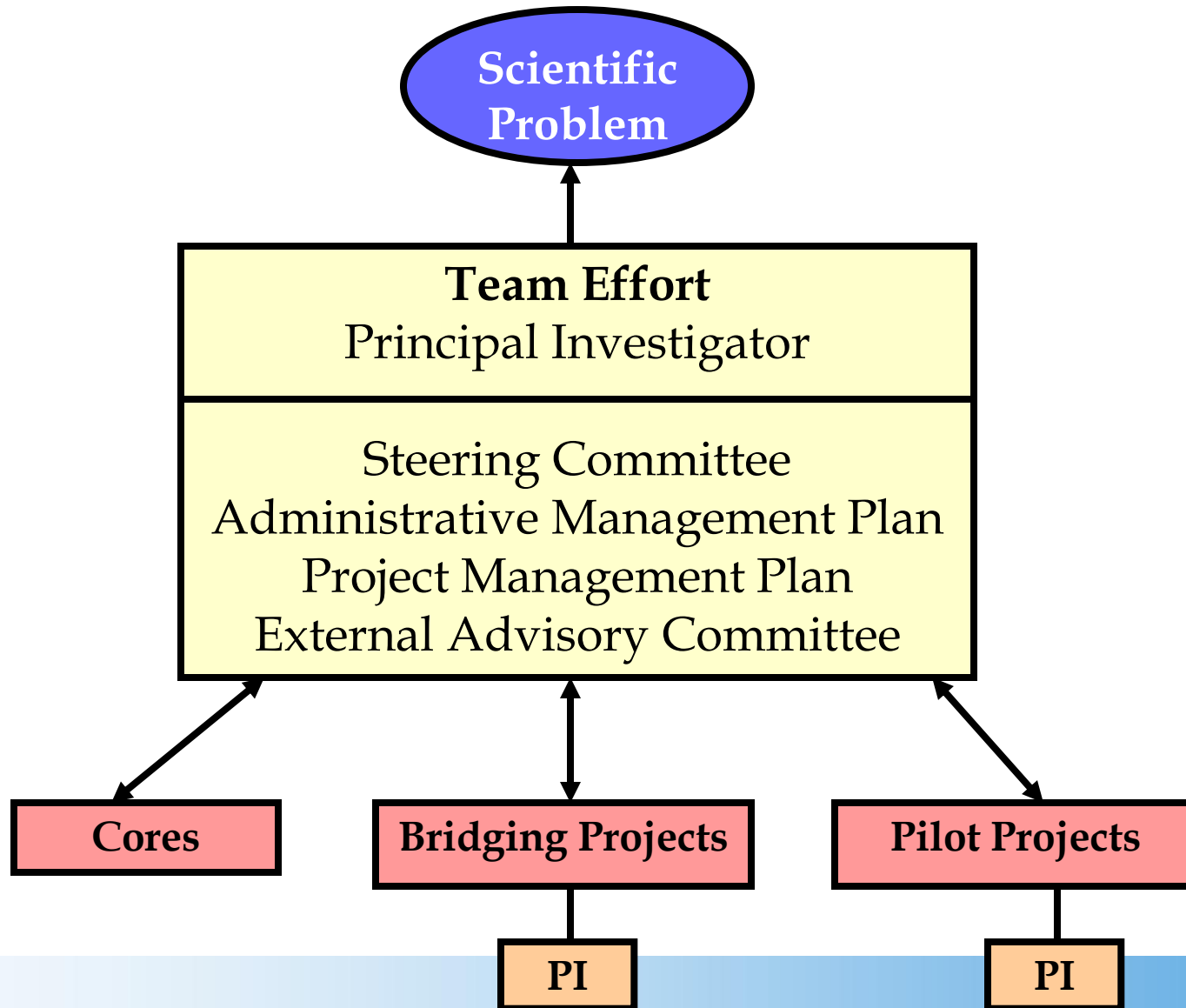
# Issues in Developing the RFA

- ***Articulating the Goal:*** solution of a major problem in biomedical science – setting the bar high; facilitate collaborative science; scientific area not specified
- ***Scope and Size:*** multidisciplinary; up to \$5M/yr in direct costs
- ***Funding Elements:*** bridging and pilot projects and cores; training not included
- ***Mechanism/Duration:*** U54; cooperative agreements; 5 yrs; one five-year renewal - sunset provision
- ***Application Process:*** screening by GM staff; Phase I (R24 planning grant)/Phase II (U54 cooperative agreement)

# Glue Grant Issues, cont'd

- ***Accountability and Oversight:*** milestones; external advisory committees; GM staff on the steering committee; annual progress reports to Council
- ***Relationship to Field/Outreach:*** effect on investigators in the area, but not in the consortium
- ***Research Resource Sharing:*** data, software, tools, etc.
- ***Staffing Requirements:*** needed more than usual oversight
- ***Review Issues:*** controversial nature ; conflicts; scoring
- ***Award Criteria:*** interpreting the score; emphasis on study section comments
- ***Amended Applications:*** Phase I's; Phase II's

# Glue Grant





# NIGMS Management of Glues

***Phase II awards:*** handled individually by scientifically appropriate staff; currently using the two-staff model of a project officer and a science officer

***G6 Committee:*** meets monthly; attended by staff handling or interested in glue grants, including senior staff; policy making body for glues

***Early decision to strengthen bioinformatics*** - \$1M supplements

***Changes to glues:*** staff developed guidelines adopted by G6

***Glue grant meetings:*** one scientific; individual issue-centered meetings

***Adjustment to post doubling of the NIH budget:*** re-announced as a PA; no set aside of funds; Phase I applications to receive Council review

***Second period of support:*** loss of incentive, phase down, holding on to personnel

***Continuation of valuable research resources:*** legacy resource grants; [grants.nih.gov/grants/guide/pa-files/PAR-10-261.html](https://grants.nih.gov/grants/guide/pa-files/PAR-10-261.html)

# NIGMS Glue Grant History:

## Phase I Applications

RFA/PA Number	Issue Date	Expiration Date	Receipt Dates	Apps Received	Apps Funded
<b>PHASE I (R24)</b>					
PAR-07-412	07/23/2007	06/18/2010	09/17/2009	3	2
			09/17/2008	4	2
			09/17/2007	8	2
PAR-04-128	07/20/2004	06/22/2007	09/20/2006	2	0
			09/20/2005	4	0
			09/20/2004	5	0
RFA-GM-02-007	03/21/2002	01/16/2003	06/18/2002	7	2
RFA-GM-01-004	02/28/2001	01/17/ 2002	06/18/2001	1	0
NOT-GM-00-001	12/13/1999	N/A	06/14/2000	1	1
RFA-GM-99-007	05/26/1999	01/22/2000	08/27/1999	13	6
<b>TOTAL APPS</b>				<b>48</b>	<b>15</b>



# NIGMS Glue Grant History:

## Phase II Awards

RFA/PA Number	Issue Date	Expiration Date	Receipt Dates	Apps Received	Apps Funded
<b>PHASE II (U54)</b>					
PAR-07-412	07/23/2007	06/18/2010	06/17/2010	3	--
			06/17/2009	2	2
			06/17/2008	1	0
PAR-04-128	07/20/2004	06/22/2007	06/21/2007	0	0
			06/21/2006	0	0
			06/21/2005	0	0
RFA-GM-02-007	03/21/2002	01/16/2003	01/15/2003	2	1
RFA-GM-01-004	02/28/2001	01/17/ 2002	01/16/2002	1	1
NOT-GM-00-001	12/13/1999	N/A	01/17/2001	6	3
RFA-GM-99-007	05/26/1999	01/22/2000	01/21/2000	3	1
<b>TOTAL APPS</b>				<b>18</b>	<b>8</b>



# NIGMS Glue Grants

Awards FY2000, 2005:

**Al Gilman, “Alliance for Cellular Signaling”**

Awards FY2001, 2006:

**Rick Horwitz, “Cell Migration Consortium”**

**Jim Paulson, “Glycomics Consortium”**

**Ron Tompkins, “Inflammation and the Host Response to Injury”**

Awards FY2003, 2008:

**Ed Dennis, “LIPID MAPS Consortium”**

Awards FY2010:

**John Gerlt, “Enzyme Function Initiative”**

**Eduardo Perozo, “Membrane Protein Structural Dynamics Consortium”**

# Glue Grant Goals

To provide support for independently R01 funded scientists to coordinate and integrate their research efforts as a team to *achieve progress not obtainable by individual efforts*

To provide support for infrastructure, as well as organizational and management approaches *selected by the team*, that might facilitate and foster team science

To develop state-of-the-art, large-scale technologies and to create the infrastructure for high-volume data collection, management, and analysis *not readily obtainable for individual grants*

To *solve complex, multifaceted, biomedical research problems of the team's choosing*, requiring input from broad and diverse areas of science